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41
Attorney's Docket No.: 16163-005001 / AM100379

1646



TECH CENTER 1600/2900

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : William Stuart Somers et al Art Unit : 1711
Serial No. : 09/903,876 Examiner : Unknown
Filed : July 11, 2001
Title : CRYSTAL STRUCTURE OF ESTROGEN RECEPTOR-BETA COMPLEX AND
USES THEREOF

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REVOCATION AND NEW POWER OF ATTORNEY

Under 37 CFR §3.73(b) GENETICS INSTITUTE, LLC, certifies that it is the assignee of 100% of the right, title and interest in the patent application identified above by virtue of:

☒ Assignments from the inventors of the patent application identified above, to Genetics Institute, Inc. as shown below. On January 1, 2002, Genetics Institute, Inc. was converted to a limited liability company and changed its name to Genetics Institute, LLC, said change was recorded in the United States Patent and Trademark Office at Reel 012772, Frame 0631 on March 29, 2002. Copies of the assignments are attached.

1. From Chu-Lai Hsiao to Genetics Institute, Inc. recorded in the Patent and Trademark Office at Reel 012448, Frame 0830 on January 10, 2002.
2. From Tatos N. Akopian to Genetics Institute, Inc. recorded in the Patent and Trademark Office at Reel 012450, Frame 0747 on January 10, 2002.
3. From Zhang-Bao Xu to Genetics Institute, Inc. recorded in the Patent and Trademark Office at Reel 012450, Frame 0774 on January 10, 2002.
4. From William S. Somers to Genetics Institute, Inc. recorded in the Patent and Trademark Office at Reel 012448, Frame 0846 on January 10, 2002.
5. From Raymond Unwalla to Genetics Institute, Inc. recorded in the Patent and Trademark Office at Reel 012797, Frame 0443 on January 10, 2002.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

Applicant : William Stuart Somers et al
Serial No. : 09/903,876
Filed : July 11, 2001
Page : 2 of 3

Attorney's Docket No.: 16163-005001 / AM100379

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

The undersigned, acting on behalf of the assignee, hereby revokes all powers of attorney previously granted in the application and appoints:

Elizabeth M. Barnard, Reg. No. 31,088
Rebecca R. Barrett, Reg. No. 35,152
Christine P. Bellon, Reg. No. 41,611
Gavin T. Bogle*
Diana M. Collazo, Reg. No. 46,635
Sean P. Daley, Reg. No. 40,978
Harold H. Fox, Reg. No. 41,498
John J. Gagel, Reg. No. 33,499
John F. Hayden, Reg. No. 37,640
Elizabeth A. Hurley, Reg. No. 41,859
David A. Manspeizer, Reg. No. 37,540
Gale F. Matthews, Reg. No. 32,269

Arnold S. Milowsky, Reg. No. 35,288
Louis Myers, Reg. No. 35,965
Robert C. Nabinger, Reg. No. 33,431
Michael R. Nagy, Reg. No. 33,432
Tu N. Nguyen, Reg. No. 42,934
M. Andrea Ryan, Reg. No. 28,469
Leda I. Trivinos, Reg. No. 50,635
Albert R. Ubieta, Reg. No. 43,212
Wendy S. Vincente, Reg. No. 45,496
Darryl L. Webster, Reg. No. 34,276
Dorothy P. Whelan, Reg. No. 33,814

*Limited Recognition Under 37 C.F.R. § 10.9(b)

with full power of substitution and revocation, to prosecute the application and to transact all business in the United States Patent and Trademark Office connected therewith.

All correspondence regarding the application should be sent to:

PTO Customer Number: 26171

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Applicant : William Stuart Somers et al
Serial No. : 09/903,876
Filed : July 11, 2001
Page : 3 of 3

Attorney's Docket No.: 16163-005001 / AM100379

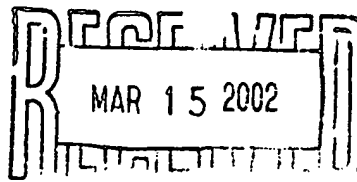
Respectfully submitted,

Date: 10/13/07

M. Andrea Ryan
M. ANDREA RYAN

Title: Assistant Secretary
On behalf of Genetics Institute, LLC

Fish & Richardson P.C.
1425 K Street, N.W.
11th Floor
Washington, DC 20005-3500
Telephone: (202) 783-5070
Facsimile: (202) 783-2331



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MARCH 07, 2002

PTAS

AMSTER, ROTHSTEIN & EBENSTEIN
CRAIG J. ARNOLD, ESQ.
90 PARK AVENUE
NEW YORK, NEW YORK 10016

AMSTER, ROTHSTEIN & EBENSTEIN

Chief Information Officer
Washington, DC 20231
www.uspto.gov



101947248A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/10/2002

REEL/FRAME: 012450/0747

NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

AKOPIAN, TATOS N.

DOC DATE: 08/23/2001

ASSIGNEE:

GENETICS INSTITUTE, INC.
87 CAMBRIDGE PARK DRIVE
CAMBRIDGE, MASSACHUSETTS 02140

SERIAL NUMBER: 60217834

PATENT NUMBER:

FILING DATE: 07/12/2000

ISSUE DATE:

SERIAL NUMBER: 09903876

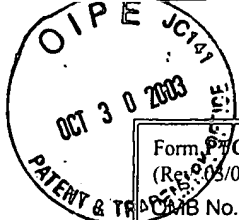
PATENT NUMBER:

FILING DATE: 07/11/2001

ISSUE DATE:

ALLYSON PURNELL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

AMSTER, ROTHSTEIN & EBENSTEIN	
DOCKETED	3/15/02
CLIENT	3719415-9
DUE DATE	
ACTION	
DKT BY:	h9
REVIEWED BY:	h9



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01-15-2002

NOV 03 2003

Form PTO-1595

(Rev. 05/01)

PMB No. 0651-0027 (exp. 5/31/2002)

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101947248

TECH CENTER 1600/2900

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Tatos N. Akopian

2. Name and address of receiving party(ies)

Name: Genetics Institute, Inc.

Internal Address: _____

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

01-10-02

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Street Address: 87 Cambridge Park DriveCity: Cambridge State: MA Zip: 02140Execution Date: August 23, 2001Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

60/217,834

09/903,876

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Craig J. Arnold, Esq.Internal Address: Amster, Rothstein & EbensteinStreet Address: 90 Park Avenue

(01/15/2002 AHMED1 00000059 60217834)

(01 F 581

80.00 UP

City: New York State: NY Zip: 100166. Total number of applications and patents involved: 27. Total fee (37 CFR 3.41).....\$ 80.00☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

01-1785

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Craig J. Arnold, Reg. No. 34,287

Name of Person Signing

Signature

October 31, 2001

Date

Total number of pages including cover sheet, attachments, and documents: 6Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNORS of good and valuable consideration, the receipt of which is hereby acknowledged,

ASSIGNORS:

(1) Full Name of Inventor: William S. Somers
Residence: 20 Mead Street, apt. #2, Cambridge, MA 02140
Citizenship: U.K.

(2) Full Name of Inventor: Zhang-Bao Xu
Residence: 40 Fieldston Circle, Tewksbury, MA 01876
Citizenship: U.S.A.

(3) Full Name of Inventor: Tatos N. Akopian
Residence: 58 Johnston Street, West Roxbury, MA 02132
Citizenship: U.S.A.

(4) Full Name of Inventor: Chu-Lai Hsiao
Residence: 55 Sherbourne Point, Waltham, MA 02451
Citizenship: U.S.A.

(5) Full Name of Inventor: Rayomond Unwalla
Residence: 4025 Killington Court, Eagleville, PA 19403
Citizenship: India

hereby sell, assign, and transfer to ASSIGNEE:

Genetics Institute, Inc.
87 Cambridge Park Drive
Cambridge, Massachusetts 02140

and the successors, assigns, and legal representatives of the ASSIGNEE, the entire right, title, and interest for the United States and its territorial possessions, and in all foreign countries, including all rights to claim priority, in and to the invention entitled:

**CRYSTAL STRUCTURE OF ESTROGEN RECEPTOR- β
COMPLEX AND USES THEREOF**

that was invented by ASSIGNORS, and which is found in U.S. application Serial No. 60/217,834, filed on July 12, 2000, and in U.S. application Serial No. 09/903,876, filed on July 11, 2001, and any legal equivalent thereof in a foreign country, including the right to claim priority, including any and all improvements disclosed therein, and in and to all Letters Patent to be obtained for said invention by the above application, or any continuation, division, renewal, or substitute thereof, and, as to Letters Patent, any reissue or re-examination thereof.

ASSIGNORS hereby covenant that no assignment, sale, agreement, or encumbrance has been, or will be, made or entered into which would conflict with this Assignment.

ASSIGNORS authorize ASSIGNEE to make applications for, and to receive, Letters Patent for said invention in any of said countries, in ASSIGNEE's name, or in ASSIGNORS' names, at ASSIGNEE's election.

ASSIGNORS covenant and agree to execute or procure any further necessary assurance of the title to said invention, and any Letters Patent which may issue therefor, and to, at any time, upon the request and at the expense of ASSIGNEE, deliver any testimony in any interference, litigation, or proceeding related thereto, and to execute all papers that may

be necessary or desirable to perfect the title to said invention, or any Letters Patent which may be granted therefor in ASSIGNEE, its successors, assigns, or other legal representatives, and to, at any time, upon the request and at the expense of ASSIGNEE, execute any continuation, continuation-in-part, divisional, renewal, or substitute thereof, and, as to Letters Patent, and reissue or re-examination thereof, or any other additional applications for Letters Patent for said invention or any part thereof, all of which applications and any Letters Patent issuing thereon are hereby assigned to ASSIGNEE, will make all rightful oaths or declarations, and do all lawful acts requisite for procuring the same therein, without further compensation, but at the expense of ASSIGNEE, its successors, assigns, or other legal representatives.

ASSIGNORS authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States for said invention, resulting from any of the aforesaid applications, to said Genetics Institute, Inc. as their ASSIGNEE.

WITNESS our hands and seals this 23 day of Aug, 2001.

William S. Somers

Zhang-Bao Xu



Tatos N. Akopian

Chu-Lai Hsiao

Raymond Unwalla

ACKNOWLEDGMENT

State of Massachusetts }
County of Middlesex } ss:

On the ____ day of _____, 2001, William S. Somers personally appeared before me, known by me to be the same person described in, and who executed, the foregoing instrument, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Notary Public

State of Massachusetts }
County of Middlesex } ss:

On the ____ day of _____, 2001, Zhang-Bao Xu personally appeared before me, known by me to be the same person described in, and who executed, the foregoing instrument, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Notary Public

State of Massachusetts }
County of Middlesex } ss:
Suffolk }

On the 23rd day of August, 2001, Tatos N. Akopian personally appeared before me, known by me to be the same person described in, and who executed, the foregoing instrument, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Notary Public

MARLENE F. AWAD
NOTARY PUBLIC
MY COMMISSION EXPIRES JAN. 24, 2008

State of Massachusetts }
County of Middlesex } ss:
}

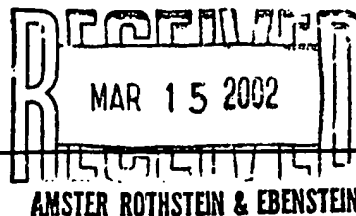
On the ____ day of _____, 2001, Chu-Lai Hsiao personally appeared before me, known by me to be the same person described in, and who executed, the foregoing instrument, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Notary Public

State of Pennsylvania }
County of Montgomery } ss:

On the ____ day of _____, 2001, Raymond Unwalla personally appeared before me, known by me to be the same person described in, and who executed, the foregoing instrument, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Notary Public



MARCH 06, 2002

PTAS

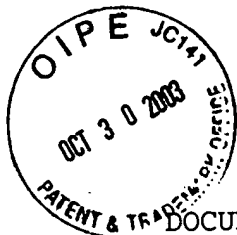
AMSTER ROTHSTEIN & EBENSTEIN

Chief Information Officer
Washington, DC 20231
www.uspto.gov

AMSTER, ROTHSTEIN & EBENSTEIN
CRAIG J. ARNOLD
90 PARK AVENUE
NEW YORK, NY 10016



101946255A



UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF NON-RECORDATION OF DOCUMENT

DOCUMENT ID NO.: 101946255

THE ENCLOSED DOCUMENT HAS BEEN EXAMINED AND FOUND NON-RECORDABLE BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. THE REASON(S) FOR NON-RECORDATION ARE STATED BELOW. DOCUMENTS BEING RESUBMITTED FOR RECORDATION MUST BE ACCOMPANIED BY A NEW COVER SHEET REFLECTING THE CORRECT INFORMATION TO BE RECORDED AND THE DOCUMENT ID NUMBER REFERENCED ABOVE.

THE ORIGINAL DATE OF FILING OF THIS ASSIGNMENT DOCUMENT WILL BE MAINTAINED IF RESUBMITTED WITH THE APPROPRIATE CORRECTION(S) WITHIN 30 DAYS FROM THE DATE OF THIS NOTICE AS OUTLINED UNDER 37 CFR 3.51. THE RESUBMITTED DOCUMENT MUST INCLUDE A STAMP WITH THE OFFICIAL DATE OF RECEIPT UNDER 37 CFR 3. APPLICANTS MAY USE THE CERTIFIED PROCEDURES UNDER 37 CFR 1.8 OR 1.10 FOR RESUBMISSION OF THE RETURNED PAPERS, IF THEY DESIRE TO HAVE THE BENEFIT OF THE DATE OF DEPOSIT IN THE UNITED STATES POSTAL SERVICE.

SEND DOCUMENTS TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231. IF YOU HAVE ANY QUESTIONS REGARDING THIS NOTICE, YOU MAY CONTACT THE INDIVIDUAL WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.

1. EACH CONVEYING PARTY MUST DATE AND SIGN DOCUMENT.
2. THE COVER SHEET SUBMITTED FOR RECORDING IS NOT ACCEPTABLE. THE NAME OF THE CONVEYING PARTY(S) MUST BE INDICATED ON THE COVER SHEET AND MUST BE COMPLETE. (I.E. LAST NAME, FIRST NAME MI)

SAUNDRA BALLENGER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

AMSTER, ROTHSTEIN & EBENSTEIN	
DOCKETED	3/15/02
CLIENT	37174/3 & 9
DUE DATE	4/5/02
ACTION	NON-RECORDATION
DKT BY:	REVIEWED BY:



AMSTER, ROTHSTEIN & EBENSTEIN

702 APR -1 AM 9:25
OFFICE RECORD
ATTORNEYS AT LAW

PATENTS • TRADEMARKS • COPYRIGHTS

FINANCE SECTION 90 PARK AVENUE

NEW YORK, NEW YORK 10016

TELEPHONE: (212) 697-5995

FACSIMILE: (212) 286-0854

NEAL L. ROSENBERG
DENISE A. LINDENAUER
NANCY M. DODDERIDGE
PATRICK BOLAND*
TREBOR LLOYD
JOSEPH M. CASINO
JOHN S. ECONOMOU
MICHAEL V. SOLOMITA
HOLLY PEKOWSKY
MICHAEL P. KENNEY
MARION P. METELSKI*
MONIQUE L. RIBANDO

SCOTT MCCLAVE
LISA MELANSON
MAX VERN
DANA R. METES
KARL J. KOLBINGER
BRIAN A. COMACK
RICHARD S. MANDARO
NATALIE BOGDANOS
MARC J. JASON
ELIE H. GENDLOFF, PH.D*
*NOT ADMITTED IN NEW YORK

JURON AMSTER
JESSE ROTHSTEIN (RETIRED)
DANIEL S. EBENSTEIN
PHILIP H. GOTTFRIED
MICHAEL J. BERGER
NEIL M. ZIPKIN
ANTHONY F. LO CICERO
KENNETH P. GEORGE
ABRAHAM KASDAN, PH.D.
IRA E. SILFIN
CHESTER ROTHSTEIN
CRAIG J. ARNOLD

SENIOR COUNSEL

CHARLES R. MACEDO
MARK J. ROSENBERG
KENNETH M. BERNSTEIN

OF COUNSEL

JERRY DAINOW

April 4, 2002

via Express Mail

Ms. Saundra Ballenger, Examiner
U.S. Patent and Trademark Office
Assignment Division
Box Assignments, CG-4
1213 Jefferson Davis Hwy, Suite 320
Washington, D.C. 20231

"Express Mail" mailing label no. FT332291183US

Date of Deposit: April 4, 2002

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Ms. Saundra Ballenger, Examiner, U.S. Patent and Trademark Office, Assignment Division, 1213 Jefferson Davis Hwy, Suite 320, Washington, D.C. 20231.

Name: Craig J. Arnold

Signature: 

Re: U.S. Patent Application No. 09/903,826 and
U.S. Provisional Application No. 60/217,834
Title: CRYSTAL STRUCTURE OF ESTROGEN RECEPTOR- β
COMPLEX AND USES THEREOF
Inventors: William S. Somers, Zhang-Bao Xu, Tatos N. Akopian,
Chu-Lai Hsiao and Rayomand Unwalla
Our File: 37174/3 and 9

Dear Ms. Ballenger:

We received a Notice from the U.S. Patent Office dated March 6, 2002 advising us that an Assignment previously submitted for recordation was found to be non-recordable by the Assignment Division. The original Notice together with the original Assignment submitted for recordation including the Assignment Recordation Cover Sheet is enclosed herewith.

We understand the Assignment was found to be non-recordable because of the incorrect belief that the annotations by Rayomand Unwalla on page 3 of the Assignment reflected his middle name. However, his initials reflect the correction of his first name, and do not correspond to his middle name. The decision that the Assignment was non-recordable was incorrect. For these reasons, applicants respectfully request recordation of the enclosed Assignment.

Ms. Saundra Ballenger

-2-

April 4, 2002

Since the Assignment is being submitted within thirty (30) days of the March 6, 2002 Notice, this resubmission does not require additional fee. If any additional fee is required, however, authorization is given to charge any such fee to Deposit Account No. 01-1785.

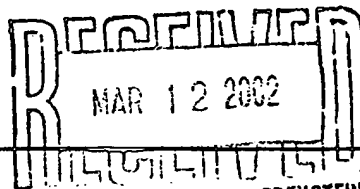
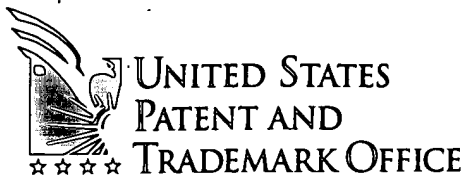
Very truly yours,

AMSTER ROTHSTEIN & EBENSTEIN

A handwritten signature in black ink, appearing to read "Craig J. Arnold". The signature is fluid and cursive, with the first name "Craig" being more prominent.

Craig J. Arnold

CJA/jgf
Encl.



MARCH 07, 2002

PTAS/AMSTER ROTHSTEIN & EBENSTEIN

Chief Information Officer
Washington, DC 20231
www.uspto.gov

AMSTER, ROTHSTEIN & EBENSTEIN
CRAIG J. ARNOLD, ESQ.
90 PARK AVENUE
NEW YORK, NY 10016



101947249A



UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/10/2002

REEL/FRAME: 012450/0774

NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

XU, ZHANG-BAO

DOC DATE: 08/27/2001

ASSIGNEE:

GENETICS INSTITUTE, INC.
87 CAMBRIDGE PARK DRIVE
CAMBRIDGE, MASSACHUSETTS 02140

SERIAL NUMBER: 60217834

PATENT NUMBER:

FILING DATE: 07/12/2000

ISSUE DATE:

SERIAL NUMBER: 09903876

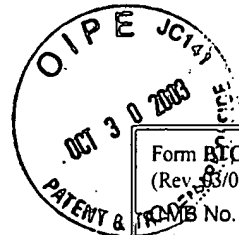
PATENT NUMBER:

FILING DATE: 07/11/2001

ISSUE DATE:

MARY BENTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

AMSTER, ROTHSTEIN & EBENSTEIN	
DOCKETED	5/13/02
CLIENT	3717419 & S
DUE DATE	
ACTION	
DKT BY:	REVIEWED BY: [Signature]



01-15-2002

Form PTO-1595

(Rev. 3/01)

RE

PMB No. 0651-0027 (exp. 5/31/2002)

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

Tab settings ⇨ ⇨ ⇨ ▾ ▾ ▾ ▾

101947249

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Zhang-Bao Xu

2. Name and address of receiving party(ies)

Name: Genetics Institute, Inc.

Internal Address: _____

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:



Assignment



Merger



Security Agreement



Change of Name



Other _____

Street Address: 87 Cambridge Park DriveCity: Cambridge State: MA Zip: 02140Execution Date: August 27, 2001Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

60/217,834

09/903,876

B. Patent No.(s)

JAN 10 2002

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Craig J. Arnold, Esq.Internal Address: Amster, Rothstein & Ebenstein

01/15/2002 AAHMED1 00000061 60217834

01 FEB 581 80.00 DP

Street Address: 90 Park AvenueCity: New York State: NY Zip: 100166. Total number of applications and patents involved: 27. Total fee (37 CFR 3.41).....\$ 80.00☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

01-1785

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Craig J. Arnold, Reg. No. 34,287

Name of Person Signing

Craig J. Arnold
SignatureOctober 31, 2001

Date

Total number of pages including cover sheet, attachments, and documents: 6Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNORS of good and valuable consideration, the receipt of which is hereby acknowledged,

ASSIGNORS:

(1) Full Name of Inventor: William S. Somers
Residence: 20 Mead Street, apt. #2, Cambridge, MA 02140
Citizenship: U.K.

(2) Full Name of Inventor: Zhang-Bao Xu
Residence: 40 Fieldston Circle, Tewksbury, MA 01876
Citizenship: U.S.A.

(3) Full Name of Inventor: Tatos N. Akopian
Residence: 58 Johnston Street, West Roxbury, MA 02132
Citizenship: U.S.A.

(4) Full Name of Inventor: Chu-Lai Hsiao
Residence: 55 Sherbourne Point, Waltham, MA 02451
Citizenship: U.S.A.

(5) Full Name of Inventor: Rayomond Unwalla
Residence: 4025 Killington Court, Eagleville, PA 19403
Citizenship: India

hereby sell, assign, and transfer to ASSIGNEE:

Genetics Institute, Inc.
87 Cambridge Park Drive
Cambridge, Massachusetts 02140

and the successors, assigns, and legal representatives of the ASSIGNEE, the entire right, title, and interest for the United States and its territorial possessions, and in all foreign countries, including all rights to claim priority, in and to the invention entitled:

**CRYSTAL STRUCTURE OF ESTROGEN RECEPTOR- β
COMPLEX AND USES THEREOF**

that was invented by ASSIGNORS, and which is found in U.S. application Serial No. 60/217,834, filed on July 12, 2000, and in U.S. application Serial No. 09/903,876, filed on July 11, 2001, and any legal equivalent thereof in a foreign country, including the right to claim priority, including any and all improvements disclosed therein, and in and to all Letters Patent to be obtained for said invention by the above application, or any continuation, division, renewal, or substitute thereof, and, as to Letters Patent, any reissue or re-examination thereof.

ASSIGNORS hereby covenant that no assignment, sale, agreement, or encumbrance has been, or will be, made or entered into which would conflict with this Assignment.

ASSIGNORS authorize ASSIGNEE to make applications for, and to receive, Letters Patent for said invention in any of said countries, in ASSIGNEE's name, or in ASSIGNORS' names, at ASSIGNEE's election.

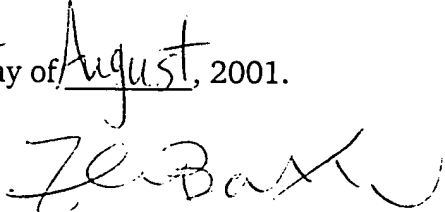
ASSIGNORS covenant and agree to execute or procure any further necessary assurance of the title to said invention, and any Letters Patent which may issue therefor, and to, at any time, upon the request and at the expense of ASSIGNEE, deliver any testimony in any interference, litigation, or proceeding related thereto, and to execute all papers that may

be necessary or desirable to perfect the title to said invention, or any Letters Patent which may be granted therefor in ASSIGNEE, its successors, assigns, or other legal representatives, and to, at any time, upon the request and at the expense of ASSIGNEE, execute any continuation, continuation-in-part, divisional, renewal, or substitute thereof, and, as to Letters Patent, and reissue or re-examination thereof, or any other additional applications for Letters Patent for said invention or any part thereof, all of which applications and any Letters Patent issuing thereon are hereby assigned to ASSIGNEE, will make all rightful oaths or declarations, and do all lawful acts requisite for procuring the same therein, without further compensation, but at the expense of ASSIGNEE, its successors, assigns, or other legal representatives.

ASSIGNORS authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States for said invention, resulting from any of the aforesaid applications, to said Genetics Institute, Inc. as their ASSIGNEE.

WITNESS our hands and seals this 27th day of August, 2001.

William S. Somers



Zhang-Bao Xu

Tatos N. Akopian

Chu-Lai Hsiao

Raymond Unwalla

Docket No: 37174/3
Patent 60/217,834
Docket No: 37174/9
Patent 09/903,876

ACKNOWLEDGMENT

State of Massachusetts }
County of Middlesex } ss:
}

On the ____ day of _____, 2001, William S. Somers personally appeared before me, known by me to be the same person described in, and who executed, the foregoing instrument, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Notary Public

State of Massachusetts }
County of Middlesex } ss:
 }

On the 27th day of August, 2001, Zhang-Bao Xu personally appeared before me, known by me to be the same person described in, and who executed, the foregoing instrument, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Notary Public

EXP 4/25/08

State of Massachusetts }
County of Middlesex } ss:

State of Massachusetts }
County of Middlesex }

ss:

On the ____ day of _____, 2001, Tatos N. Akopian personally appeared before me, known by me to be the same person described in, and who executed, the foregoing instrument, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Notary Public

State of Massachusetts }
County of Middlesex } ss:
}

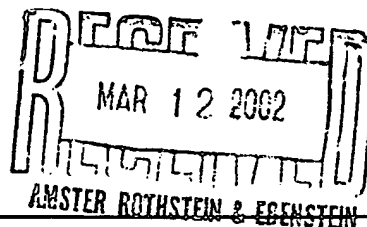
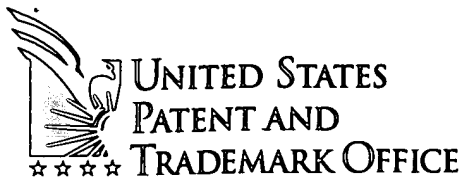
On the ____ day of _____, 2001, Chu-Lai Hsiao personally appeared before me, known by me to be the same person described in, and who executed, the foregoing instrument, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Notary Public

State of Pennsylvania }
County of Montgomery } ss:
}

On the ____ day of _____, 2001, Raymond Unwalla personally appeared before me, known by me to be the same person described in, and who executed, the foregoing instrument, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Notary Public



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MARCH 06, 2002

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Chief Information Officer
Washington, DC 20231
www.uspto.govAMSTER, ROTHSTEIN & EBENSTEIN
CRAIG J. ARNOLD, ESQ.
90 PARK AVENUE
NEW YORK, NY 10016

101946256A

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RECORDATION DATE: 01/10/2002

REEL/FRAME: 012448/0830

NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HSIAO, CHU-LAI

DOC DATE: 08/27/2001

ASSIGNEE:

GENETICS INSTITUTE, INC.
87 CAMBRIDGE PARK DRIVE
CAMBRIDGE, MASSACHUSETTS 02140

SERIAL NUMBER: 60217834

PATENT NUMBER:

FILING DATE: 07/12/2000

ISSUE DATE:

SERIAL NUMBER: 09903876

PATENT NUMBER:

FILING DATE: 07/11/2001

ISSUE DATE:

MARCUS KIRK, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

AMSTER, ROTHSTEIN & EBENSTEIN	
DOCKETED	3/13/02
CLIENT	371741983
DUE DATE	
ACTION	
DKT BY: J-	REVIEWED BY: dg



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01-15-2002



NOV 03 2005 U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

Form PTO-1593 (Rev. 03/01) R1
OMB No. 0651-0027 (Expires 5/31/2002)
Tab settings

101946256 TECH CENTER 1600/2907

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): Chu-Lai Hsiao</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</p> <p>Execution Date: August 27, 2001</p>	<p>2. Name and address of receiving party(ies) Name: Genetics Institute, Inc. Internal Address: _____ Street Address: 87 Cambridge Park Drive City: Cambridge State: MA Zip: 02140 Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
--	--

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: _____
A. Patent Application No.(s)
60/217,834
09/903,876
B. Patent No.(s)
Additional numbers attached? ☐ Yes ☒ No

<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: Craig J. Arnold, Esq. Internal Address: Amster, Rothstein & Ebenstein Street Address: 90 Park Avenue City: New York State: NY Zip: 10016</p>	<p>6. Total number of applications and patents involved: 2</p> <p>7. Total fee (37 CFR 3.41).....\$ 80.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: 01-1785 (Attach duplicate copy of this page if paying by deposit account)</p>
---	--

01/15/2002 AAHMD1 00000057 60217834
01 FC 581 40.00 DP
01/15/2002 AAHMD1 00000058 60217834
01 FC 581 40.00 DP

DO NOT USE THIS SPACE

9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.
Craig J. Arnold, Reg. No. 34,287
Name of Person Signing

Signature
October 31, 2001
Date
Total number of pages including cover sheet, attachments, and documents: **6**

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNORS of good and valuable consideration, the receipt of which is hereby acknowledged,

ASSIGNORS:

(1) Full Name of Inventor: William S. Somers
Residence: 20 Mead Street, apt. #2, Cambridge, MA 02140
Citizenship: U.K.

(2) Full Name of Inventor: Zhang-Bao Xu
Residence: 40 Fieldston Circle, Tewksbury, MA 01876
Citizenship: U.S.A.

(3) Full Name of Inventor: Tatos N. Akopian
Residence: 58 Johnston Street, West Roxbury, MA 02132
Citizenship: U.S.A.

(4) Full Name of Inventor: Chu-Lai Hsiao
Residence: 55 Sherbourne Point, Waltham, MA 02451
Citizenship: U.S.A.

(5) Full Name of Inventor: Rayomond Unwalla
Residence: 4025 Killington Court, Eagleville, PA 19403
Citizenship: India

hereby sell, assign, and transfer to ASSIGNEE:

Genetics Institute, Inc.
87 Cambridge Park Drive
Cambridge, Massachusetts 02140

and the successors, assigns, and legal representatives of the ASSIGNEE, the entire right, title, and interest for the United States and its territorial possessions, and in all foreign countries, including all rights to claim priority, in and to the invention entitled:

**CRYSTAL STRUCTURE OF ESTROGEN RECEPTOR- β
COMPLEX AND USES THEREOF**

that was invented by ASSIGNORS, and which is found in U.S. application Serial No. 60/217,834, filed on July 12, 2000, and in U.S. application Serial No. 09/903,876, filed on July 11, 2001, and any legal equivalent thereof in a foreign country, including the right to claim priority, including any and all improvements disclosed therein, and in and to all Letters Patent to be obtained for said invention by the above application, or any continuation, division, renewal, or substitute thereof, and, as to Letters Patent, any reissue or re-examination thereof.

ASSIGNORS hereby covenant that no assignment, sale, agreement, or encumbrance has been, or will be, made or entered into which would conflict with this Assignment.

ASSIGNORS authorize ASSIGNEE to make applications for, and to receive, Letters Patent for said invention in any of said countries, in ASSIGNEE's name, or in ASSIGNORS' names, at ASSIGNEE's election.

ASSIGNORS covenant and agree to execute or procure any further necessary assurance of the title to said invention, and any Letters Patent which may issue therefor, and to, at any time, upon the request and at the expense of ASSIGNEE, deliver any testimony in any interference, litigation, or proceeding related thereto, and to execute all papers that may

be necessary or desirable to perfect the title to said invention, or any Letters Patent which may be granted therefor in ASSIGNEE, its successors, assigns, or other legal representatives, and to, at any time, upon the request and at the expense of ASSIGNEE, execute any continuation, continuation-in-part, divisional, renewal, or substitute thereof, and, as to Letters Patent, and reissue or re-examination thereof, or any other additional applications for Letters Patent for said invention or any part thereof, all of which applications and any Letters Patent issuing thereon are hereby assigned to ASSIGNEE, will make all rightful oaths or declarations, and do all lawful acts requisite for procuring the same therein, without further compensation, but at the expense of ASSIGNEE, its successors, assigns, or other legal representatives.

ASSIGNORS authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States for said invention, resulting from any of the aforesaid applications, to said Genetics Institute, Inc. as their ASSIGNEE.

WITNESS our hands and seals this 27th day of August, 2001.

William S. Somers

Zhang-Bao Xu

Tatos N. Akopian

Chu-Lai Hsiao

Chu-Lai Hsiao

Raymond Unwalla

Notary Public

Notary Public

State of Massachusetts }
County of Middlesex } ss:

Notary Public

State of Massachusetts }
County of Middlesex } ss:
}

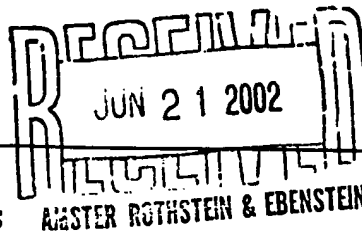
Notary Public CAP 4/25-05

State of Pennsylvania }
County of Montgomery }
SS: }

Notary Public



UNITED STATES
PATENT AND
TRADEMARK OFFICE



JUNE 14, 2002

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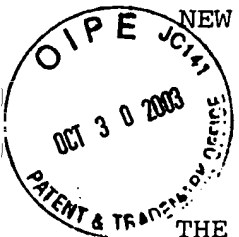
AMSTER ROTHSTEIN & EBENSTEIN

Chief Information Officer
Washington, DC 20231
www.uspto.gov

AMSTER, ROHTSTEIN & EBENSTEIN
CRAIG J. ARNOLD, ESQ.
90 PARK AVENUE
NEW YORK, NY 10016



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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/10/2002

REEL/FRAME: 012797/0443
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

UNWALLA, RAYOMOND

DOC DATE: 08/20/2001

ASSIGNEE:

GENETICS INSTITUTE, INC.
87 CAMBRIDGE PARK DRIVE
CAMBRIDGE, MASSACHUSETTS 02140

SERIAL NUMBER: 60217834
PATENT NUMBER:

FILING DATE: 07/12/2000
ISSUE DATE:

SERIAL NUMBER: 09903876
PATENT NUMBER:

FILING DATE: 07/11/2001
ISSUE DATE:

ANTIONE ROYALL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

AMSTER, ROTHSTEIN & EBENSTEIN	
DOCKETED	6/24/02
CLIENT	37/74/9
DUE DATE	
ACTION	
DKT BY:	REVIEWED BY:

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(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Rayomond Unwalla
11/10/02

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)
Name: **Genetics Institute, Inc.**
Internal Address: _____

Street Address: **87 Cambridge Park Drive**

City: **Cambridge** State: **MA** Zip: **02140**
Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:
☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____
Execution Date: **August 20, 2001**

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: _____
A. Patent Application No.(s)
60/217,834
09/903,876
B. Patent No.(s)
10
Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: **Craig J. Arnold, Esq.**
Internal Address: **Amster, Rothstein & Ebenstein**

Street Address: **90 Park Avenue**
01/15/2002 AAHMD1 00000056 60217834
01 FC:581 80.00-0P
City: **New York** State: **NY** Zip: **10016**

6. Total number of applications and patents involved: **2**
7. Total fee (37 CFR 3.41).....\$ **80.00**
☒ Enclosed
☐ Authorized to be charged to deposit account
8. Deposit account number:
01-1785
(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.
Craig J. Arnold, Reg. No. 34,287
Name of Person Signing
Craig J. Arnold
Signature
October 31, 2001
Date

Total number of pages including cover sheet, attachments, and documents: **6**

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNORS of good and valuable consideration, the receipt of which is hereby acknowledged,

ASSIGNORS:

(1) Full Name of Inventor: William S. Somers
Residence: 20 Mead Street, apt. #2, Cambridge, MA 02140
Citizenship: U.K.

(2) Full Name of Inventor: Zhang-Bao Xu
Residence: 40 Fieldston Circle, Tewksbury, MA 01876
Citizenship: U.S.A.

(3) Full Name of Inventor: Tatos N. Akopian
Residence: 58 Johnston Street, West Roxbury, MA 02132
Citizenship: U.S.A.

(4) Full Name of Inventor: Chu-Lai Hsiao
Residence: 55 Sherbourne Point, Waltham, MA 02451
Citizenship: U.S.A.

(5) Full Name of Inventor: Rayomond Unwalla
Residence: 4025 Killington Court, Eagleville, PA 19403
Citizenship: India

hereby sell, assign, and transfer to ASSIGNEE:

Genetics Institute, Inc.
87 Cambridge Park Drive
Cambridge, Massachusetts 02140

and the successors, assigns, and legal representatives of the ASSIGNEE, the entire right, title, and interest for the United States and its territorial possessions, and in all foreign countries, including all rights to claim priority, in and to the invention entitled:

**CRYSTAL STRUCTURE OF ESTROGEN RECEPTOR- β
COMPLEX AND USES THEREOF**

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be necessary or desirable to perfect the title to said invention, or any Letters Patent which may be granted therefor in ASSIGNEE, its successors, assigns, or other legal representatives, and to, at any time, upon the request and at the expense of ASSIGNEE, execute any continuation, continuation-in-part, divisional, renewal, or substitute thereof, and, as to Letters Patent, and reissue or re-examination thereof, or any other additional applications for Letters Patent for said invention or any part thereof, all of which applications and any Letters Patent issuing thereon are hereby assigned to ASSIGNEE, will make all rightful oaths or declarations, and do all lawful acts requisite for procuring the same therein, without further compensation, but at the expense of ASSIGNEE, its successors, assigns, or other legal representatives.

ASSIGNORS authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States for said invention, resulting from any of the aforesaid applications, to said Genetics Institute, Inc. as their ASSIGNEE.

WITNESS our hands and seals this 20 day of Aug., 2001.

William S. Somers

Zhang-Bao Xu

Tatos N. Akopian

Chu-Lai Hsiao

Raymond Unwalla

Raymond Unwalla

Raymond Ryn

8/20/01

State of Massachusetts }
County of Middlesex } ss:

On the ____ day of _____, 2001, Tatos N. Akopian personally appeared before me, known by me to be the same person described in, and who executed, the foregoing instrument, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Notary Public

State of Massachusetts }
County of Middlesex } ss:

On the ____ day of _____, 2001, Chu-Lai Hsiao personally appeared before me, known by me to be the same person described in, and who executed, the foregoing instrument, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Notary Public

State of Pennsylvania }
County of ~~Montgomery~~ DELAWARE } SS:

On the 20th day of AUGUST, 2001, ^{RAYMOND}~~Raymond~~ Unwalla personally appeared before me, known by me to be the same person described in, and who executed, the foregoing instrument, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

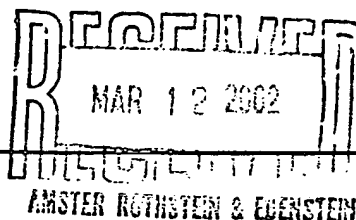
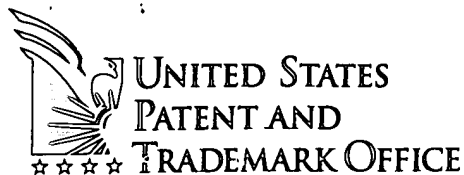
Notary Public

NOTARIAL SEAL
JUDITH A. JOHNSTON, Notary Public
Radnor Twp., Delaware County
My Commission Expires Sept. 12, 2002

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NOV 03 2003

TECH CENTER 1600/2900



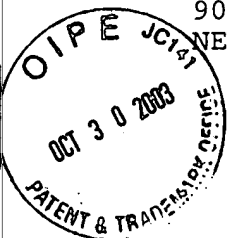
MARCH 06, 2002

PTAS

AMSTER ROTHSTEIN & EBENSTEIN

Chief Information Officer
Washington, DC 20231
www.uspto.govAMSTAR, ROTHSTEIN & EBENSTEIN
CRAIG J. ARNOLD, ESQ.
90 PARK AVENUE
NEW YORK, NY 10016

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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/10/2002

REEL/FRAME: 012448/0846

NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SOMERS, WILLIAM S.

DOC DATE: 08/24/2001

ASSIGNEE:

GENETICS INSTITUTE, INC.
87 CAMBRIDGE PARK DRIVE
CAMBRIDGE, MASSACHUSETTS 02140

SERIAL NUMBER: 60217834

PATENT NUMBER:

FILING DATE: 07/12/2000

ISSUE DATE:

SERIAL NUMBER: 09903876

PATENT NUMBER:

FILING DATE: 07/11/2001

ISSUE DATE:

PAULA MCCRAY, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

AMSTER, ROTHSTEIN & EBENSTEIN	
DOCKETED	3/13/02
CLIENT	371741943
DUE DATE	
ACTION	
DKT BY:	REVIEWED BY:



01-15-2002

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(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

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101946257

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NOV 03 2001 U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

William S. Somers

11/10/02

2. Name and address of receiving party(ies)

Name: Genetics Institute, Inc.

Internal Address: _____

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:



Assignment



Merger



Security Agreement



Change of Name



Other _____

Street Address: 87 Cambridge Park DriveCity: Cambridge State: MA Zip: 02140Execution Date: August 24, 2001Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

60/217,834

09/903,876

B. Patent No.(s)

10

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Craig J. Arnold, Esq.Internal Address: Amster, Rothstein & EbensteinStreet Address: 90 Park Avenue

01/15/2002 AAHMED1 00000060 60217834

01 FC 581

80.00 DP

City: New York State: NY Zip: 100166. Total number of applications and patents involved: 27. Total fee (37 CFR 3.41).....\$ 80.00☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

01-1785

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Craig J. Arnold, Reg. No. 34,287

Name of Person Signing

Signature

October 31, 2001

Date

Total number of pages including cover sheet, attachments, and documents: 6

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNORS of good and valuable consideration, the receipt of which is hereby acknowledged,

ASSIGNORS:

(1) Full Name of Inventor: William S. Somers
Residence: 20 Mead Street, apt. #2, Cambridge, MA 02140
Citizenship: U.K.

(2) Full Name of Inventor: Zhang-Bao Xu
Residence: 40 Fieldston Circle, Tewksbury, MA 01876
Citizenship: U.S.A.

(3) Full Name of Inventor: Tatos N. Akopian
Residence: 58 Johnston Street, West Roxbury, MA 02132
Citizenship: U.S.A.

(4) Full Name of Inventor: Chu-Lai Hsiao
Residence: 55 Sherbourne Point, Waltham, MA 02451
Citizenship: U.S.A.

(5) Full Name of Inventor: Rayomond Unwalla
Residence: 4025 Killington Court, Eagleville, PA 19403
Citizenship: India

hereby sell, assign, and transfer to ASSIGNEE:

Genetics Institute, Inc.
87 Cambridge Park Drive
Cambridge, Massachusetts 02140

and the successors, assigns, and legal representatives of the ASSIGNEE, the entire right, title, and interest for the United States and its territorial possessions, and in all foreign countries, including all rights to claim priority, in and to the invention entitled:

**CRYSTAL STRUCTURE OF ESTROGEN RECEPTOR- β
COMPLEX AND USES THEREOF**

that was invented by ASSIGNORS, and which is found in U.S. application Serial No. 60/217,834, filed on July 12, 2000, and in U.S. application Serial No. 09/903,876, filed on July 11, 2001, and any legal equivalent thereof in a foreign country, including the right to claim priority, including any and all improvements disclosed therein, and in and to all Letters Patent to be obtained for said invention by the above application, or any continuation, division, renewal, or substitute thereof, and, as to Letters Patent, any reissue or re-examination thereof.

ASSIGNORS hereby covenant that no assignment, sale, agreement, or encumbrance has been, or will be, made or entered into which would conflict with this Assignment.

ASSIGNORS authorize ASSIGNEE to make applications for, and to receive, Letters Patent for said invention in any of said countries, in ASSIGNEE's name, or in ASSIGNORS' names, at ASSIGNEE's election.

ASSIGNORS covenant and agree to execute or procure any further necessary assurance of the title to said invention, and any Letters Patent which may issue therefor, and to, at any time, upon the request and at the expense of ASSIGNEE, deliver any testimony in any interference, litigation, or proceeding related thereto, and to execute all papers that may

be necessary or desirable to perfect the title to said invention, or any Letters Patent which may be granted therefor in ASSIGNEE, its successors, assigns, or other legal representatives, and to, at any time, upon the request and at the expense of ASSIGNEE, execute any continuation, continuation-in-part, divisional, renewal, or substitute thereof, and, as to Letters Patent, and reissue or re-examination thereof, or any other additional applications for Letters Patent for said invention or any part thereof, all of which applications and any Letters Patent issuing thereon are hereby assigned to ASSIGNEE, will make all rightful oaths or declarations, and do all lawful acts requisite for procuring the same therein, without further compensation, but at the expense of ASSIGNEE, its successors, assigns, or other legal representatives.

ASSIGNORS authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States for said invention, resulting from any of the aforesaid applications, to said Genetics Institute, Inc. as their ASSIGNEE.

WITNESS our hands and seals this 24th day of Aug, 2001.



William S. Somers

Zhang-Bao Xu

Tatos N. Akopian

Chu-Lai Hsiao

Raymond Unwalla

ACKNOWLEDGMENT

Notary Public t x p 4/25/08

On the ____ day of _____, 2001, Zhang-Bao Xu personally appeared before me, known by me to be the same person described in, and who executed, the foregoing instrument, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Notary Public

